



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/492,028A

DATE: 09/03/2004

TIME: 11:46:59

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3 <110> APPLICANT: Zuker, Charles S.
 4 The Regents of the University of California
 6 <120> TITLE OF INVENTION: Assays for Sensory Modulators Using a Sensory Cell
 7 Specific G-Protein Alpha Subunit
 9 <130> FILE REFERENCE: 02307E-092610US
 11 <140> CURRENT APPLICATION NUMBER: US 09/492,028A
 12 <141> CURRENT FILING DATE: 2000-01-26
 14 <150> PRIOR APPLICATION NUMBER: US 60/117,367
 15 <151> PRIOR FILING DATE: 1999-01-27
 17 <160> NUMBER OF SEQ ID NOS: 14
 19 <170> SOFTWARE: PatentIn Ver. 2.1
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 22 <211> LENGTH: 1503
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Mus sp.
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 27 <221> NAME/KEY: CDS
 28 <222> LOCATION: (157)..(1224)
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 42 Leu Ser Ala Glu Glu Lys Glu Ser Gln Arg Ile Ser Ala Glu Ile Glu
 43 10 15 20
 45 cgg cac gtt cgc cgc gac aag aag gac gcg cgc cgg gag ctc aag ctg 270
 46 Arg His Val Arg Arg Asp Lys Lys Asp Ala Arg Arg Glu Leu Lys Leu
 47 25 30 35
 49 ctg ttg ctg gga acc ggt gag agt ggg aaa agc acc ttt atc aag cag 318
 50 Leu Leu Leu Gly Thr Gly Glu Ser Gly Lys Ser Thr Phe Ile Lys Gln
 51 40 45 50
 53 atg agg ata atc cat ggg tct ggc tac agt gat gaa gat aga aag ggc 366
 54 Met Arg Ile Ile His Gly Ser Gly Tyr Ser Asp Glu Asp Arg Lys Gly
 55 55 60 65 70
 57 ttc acg aag ctg gtt tac caa aac ata ttc acg gcc atg caa gcc atg 414
 58 Phe Thr Lys Leu Val Tyr Gln Asn Ile Phe Thr Ala Met Gln Ala Met
 59 75 80 85
 61 atc aga gca atg gat acc ctg agg ata caa tac atg tgt gag cag aat 462
 62 Ile Arg Ala Met Asp Thr Leu Arg Ile Gln Tyr Met Cys Glu Gln Asn



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66	Lys Glu Asn Ala Gln Ile Ile Arg Glu Val Glu Val Asp Lys Val Thr							
67		105		110		115		
69	gca ctc tct aga gac cag gtg gca gcc atc aag cag ctg tgg ctg gat							558
70	Ala Leu Ser Arg Asp Gln Val Ala Ala Ile Lys Gln Leu Trp Leu Asp							
71		120		125		130		
73	ccc gga atc cag gag tgt tac gac agg agg agg gag tac cag ctg tca							606
74	Pro Gly Ile Gln Glu Cys Tyr Asp Arg Arg Arg Glu Tyr Gln Leu Ser							
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77	gac tct gcc aaa tat tac ctg acg gac att gag cgt atc gcc atg ccc							654
78	Asp Ser Ala Lys Tyr Tyr Leu Thr Asp Ile Glu Arg Ile Ala Met Pro							
79		155		160		165		
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82	Ser Phe Val Pro Thr Gln Gln Asp Val Leu Arg Val Arg Val Pro Thr							
83		170		175		180		
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86	Thr Gly Ile Ile Glu Tyr Pro Phe Asp Leu Glu Asn Ile Ile Phe Arg							
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89	atg gtg gat gtt ggt ggc cag cga tct gaa cga cgg aaa tgg att cac							798
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93	tgc ttt gag agt gtc acc tcc atc att ttc ttg gtt gct ctg agt gaa							846
94	Cys Phe Glu Ser Val Thr Ser Ile Ile Phe Leu Val Ala Leu Ser Glu							
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118	Asp Gln Asn Pro Asp Lys Glu Lys Val Ile Tyr Ser His Phe Thr Cys							
119		315		320		325		
121	gct aca gac acc gag aat atc cgc ttt gtg ttt gct gct gtc aaa gac							1182
122	Ala Thr Asp Thr Glu Asn Ile Arg Phe Val Phe Ala Ala Val Lys Asp							
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125	aca atc cta cag cta aac cta cgg gag ttc aac ttg gtg taa							1224
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157 35 40 45
159 Ser Thr Phe Ile Lys Gln Met Arg Ile Ile His Gly Ser Gly Tyr Ser
160 50 55 60
162 Asp Glu Asp Arg Lys Gly Phe Thr Lys Leu Val Tyr Gln Asn Ile Phe
163 65 70 75 80
165 Thr Ala Met Gln Ala Met Ile Arg Ala Met Asp Thr Leu Arg Ile Gln
166 85 90 95
168 Tyr Met Cys Glu Gln Asn Lys Glu Asn Ala Gln Ile Ile Arg Glu Val
169 100 105 110
171 Glu Val Asp Lys Val Thr Ala Leu Ser Arg Asp Gln Val Ala Ala Ile
172 115 120 125
174 Lys Gln Leu Trp Leu Asp Pro Gly Ile Gln Glu Cys Tyr Asp Arg Arg
175 130 135 140
177 Arg Glu Tyr Gln Leu Ser Asp Ser Ala Lys Tyr Tyr Leu Thr Asp Ile
178 145 150 155 160
180 Glu Arg Ile Ala Met Pro Ser Phe Val Pro Thr Gln Gln Asp Val Leu
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183 Arg Val Arg Val Pro Thr Thr Gly Ile Ile Glu Tyr Pro Phe Asp Leu
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187 195 200 205
189 Arg Arg Lys Trp Ile His Cys Phe Glu Ser Val Thr Ser Ile Ile Phe
190 210 215 220
192 Leu Val Ala Leu Ser Glu Tyr Asp Gln Val Leu Ala Glu Cys Asp Asn
193 225 230 235 240
195 Glu Asn Arg Met Glu Glu Ser Lys Ala Leu Phe Arg Thr Ile Ile Thr
196 245 250 255
198 Tyr Pro Trp Phe Leu Asn Ser Ser Val Ile Leu Phe Leu Asn Lys Lys
199 260 265 270
201 Asp Leu Leu Glu Glu Lys Ile Met Tyr Ser His Leu Ile Ser Tyr Phe
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